

Amendments to the Claims

1-32. (Canceled)

33. (Currently Amended) A system for transmitting signals comprising:

a data matrix ~~configured~~ comprising:

a plurality of first receivers, each of which is configured to receive one of a plurality of data signals over one of a first plurality of wavelengths on a first single optical fiber strand; and

a plurality of first transmitters, each of which is configured to transmit [[a]] one of the plurality of data signal signals over a first wavelength one of the first plurality of wavelengths on a second single optical fiber strand; and

wherein each of the plurality of first receivers is connected with one of the plurality of first transmitters so that at least one of the data signals is transmitted over a different one of the first plurality of wavelengths than which it was received; and

a radio frequency matrix ~~configured~~ comprising:

a plurality of second receivers, each of which is configured to receive one of a plurality of radio frequency signals over one of a second plurality of wavelengths on the first single optical fiber strand; and

a plurality of second transmitters, each of which is configured to transmit [[a]] one of the plurality of radio frequency signal signals over a second wavelength one of the second plurality of wavelengths on the same second single optical fiber strand;

wherein each of the plurality of second receivers is connected with one of the plurality of second transmitters so that at least one of the radio frequency signals is transmitted over a different one of the second plurality of wavelengths than which it was received.

34-37. (Canceled)

38. (Currently Amended) The system of claim 33 wherein the radio frequency matrix comprises a plurality of jumpers, wherein each of the plurality of jumper connecting jumpers is configured to connect one of the receiver the plurality of second receivers to the transmitter one of the

plurality of second transmitters.

39-42. (Canceled)

43. (New) The system of claim 33 wherein each of the plurality of first receivers is connected with one of the plurality of first transmitters on a pre-provisioned basis.

44. (New) The system of claim 33 wherein each of the plurality of first receivers is connected with one of the plurality of first transmitters on a dynamically provisioned basis.

45. (New) The system of claim 33 wherein each of the plurality of second receivers is connected with one of the plurality of second transmitters on a pre-provisioned basis.

46. (New) The system of claim 33 wherein each of the plurality of second receivers is connected with one of the plurality of second transmitters on a dynamically provisioned basis.

47. (New) The system of claim 33 wherein:

each of the plurality of first receivers is configured to convert one of the plurality of data signals to an electrical format, and

each of the plurality of first transmitters is configured to convert one of the plurality of data signals to an optical format.

48. (New) The system of claim 33 wherein:

each of the plurality of second receivers is configured to convert one of the plurality of radio frequency signals to an electrical format, and

each of the plurality of first transmitters is configured to convert one of the plurality of radio frequency signals to an optical format.